AMENDMENT TRANSMITTAL LETTER (Large Entity) Applicant(s): K. Hayash, et al.					Docket No. 04150012AA		
Serial No. MAY 1 9 2004 Filing Date 09/853,622 May 14, 2001			Examiner C. Renner		Group Art Unit 2652		
Invention: MAGNETORESISTIVE EFFECT SENSOR, METHOD FOR MANUFACTURING A  MAGNETORESISTIVE EFFECT SENSOR, MAGNETORESISTIVE DETECTION SYSTEM, AND  MAGNETORESISTIVE RECORDING SYSTEM							
TO THE COMMISSIONER FOR PATENTS:  Transmitted herewith is an amendment in the above-identified application.  The fee has been calculated and is transmitted as shown below.  Technology Center 26							Y 2 5 2004
CLAIMS AS AMENDED							
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST #	NUMBER EXTRA  R CLAIMS PRESENT		RATE		ADDITIONAL FEE
TOTAL CLAIMS	21 -	21 =	. 0	х	\$18	.00	\$0.00
INDEP. CLAIMS	4 -	4 =	. 0	х	\$86	.00	\$0.00
Multiple Dependent Claims (check if applicable)							
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$0.00							\$0.00
<ul> <li>No additional fee is required for amendment.</li> <li>□ Please charge Deposit Account No. in the amount of</li> <li>□ A check in the amount of to cover the filing fee is enclosed.</li> <li>☑ The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-2041</li> <li>☑ Any additional filing fees required under 37 C.F.R. 1.16.</li> <li>☑ Any patent application processing fees under 37 CFR 1.17.</li> </ul>							
	s & Christofferson, P.C. lls Road, Suite 340 20190			doc 37C	with .F.R. 1	h the U. .8 and	is being deposited on I.S. Postal Service as first d is addressed to the VA 22313-1450.
Signature of Person Mailing Correspondence							

cc:

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MAY 1 9 2004 BY A

NEC-2370-US Amendment dated 05/19/2004 09/853,622

622 04150012aa Reply to office action mailed 04/21/2004

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

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Kazuhiko Hayashi

MAY 2 5 2004

Serial No. 09/853,622

Group Art Unit 2652

Technology Center 2600

Filed May 14, 2001

Examiner C. Renner

For MAGNETORESISTIVE EFFECT SENSOR, METHOD FOR

MANUFACTURING A MAGNETORESISTIVE EFFECT SENSOR,

MAGNETORESISTIVE DETECTION SYSTEM, AND

MAGNETORESISTIVE RECORDING SYSTEM

Mail Stop Non-Fee Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## AMENDMENT UNDER 37 C.F.R. §1.111

Sir:

In response to the Office Action mailed October 23, 2003, and further in response to a notice of non-compliant amendment mailed April 21, 2004, please amend the above-identified patent application as follows:

Amendments to the Specification begin on page 2 of this paper.

**Amendments to the Claims** are indicated by the notation "currently amended" in the listing of claims beginning on page 10 of this paper.

Amendments to the Drawings begin on page 16 of this paper and reference replacement sheets attached to the submission of 01/23/2004.

Remarks begin on page 17 of this paper.